

What Is Claimed Is:

1. Wire electric discharge machine, comprising:  
an automated connection device, which performs automated connection of a wire electrode with respect to a wire through-hole, and judges whether the wire automated connection has succeeded or not; and,

means for increasing by a prescribed amount the wire feed rate during the next connection when the wire connection in the previous automated connection attempt has succeeded, and for causing automated connection to be performed.

2. The wire electric discharge machine according to Claim 1, wherein the amount of increase of said wire feed rate is adjusted according to the result of judgment in a past plurality of wire connection attempts by said automated connection device.

3. The wire electric discharge machine according to Claim 1, wherein the amount of increase of said wire feed rate is different according to whether the next connection position is the same position as, or a different position from, the previous wire connection position.

4. The wire electric discharge machine according to Claim 1, wherein, when the previous judgment result is wire connection failure, the wire feed rate for the next wire connection attempt is decreased.

5. The wire electric discharge machine according to Claim 4, wherein the amount of decrease of said wire feed rate is adjusted according to the result of judgment in a past

plurality of wire connection attempts by said automated connection device.

6. The wire electric discharge machine according to Claim 4, wherein the amount of decrease of said wire feed rate is different according to whether the next connection position is the same position as, or a different position from, the previous wire connection position.

7. Wire electric discharge machine, comprising:  
an automated connection device, which performs automated connection of a wire electrode with respect to a wire through-hole, and judges whether the wire automated connection has succeeded;

storage means for storing wire feed rate information during wire connection at a through-hole and wire connection judgment result information, in correspondence with through-hole position information; and,

means for increasing by a prescribed amount the wire feed rate during the next connection when the previous judgment result for the same through-hole indicates successful wire connection.

8. The wire electric discharge machine according to Claim 7, wherein the amount of increase of said wire feed rate is adjusted according to the result of judgment in a past plurality of wire connection attempts by said automated connection device, stored in said storage means.

9. The wire electric discharge machine according to Claim 7, wherein, when the previous judgment result is wire

connection failure, the wire feed rate for the next wire connection attempt is decreased.

10. The wire electric discharge machine according to Claim 9, wherein the amount of decrease of said wire feed rate is adjusted according to the result of judgment in a past plurality of wire connection attempts by said automated connection device.